

## ABSTRACT

5 A heating, ventilating and air conditioning system providing enhanced protection from environmental contaminants such as chemical, biological or radioactive contaminants by maintaining a positive pressure inside the evaporator compartment thereby reducing the possibility of contaminant entry from the lower pressure ambient environment. The system also increases air flow over the evaporator coil by using a radial fan that provides an improved and efficient diffused air flow over the evaporator coil and enables use of a smaller and lighter evaporator compartment.